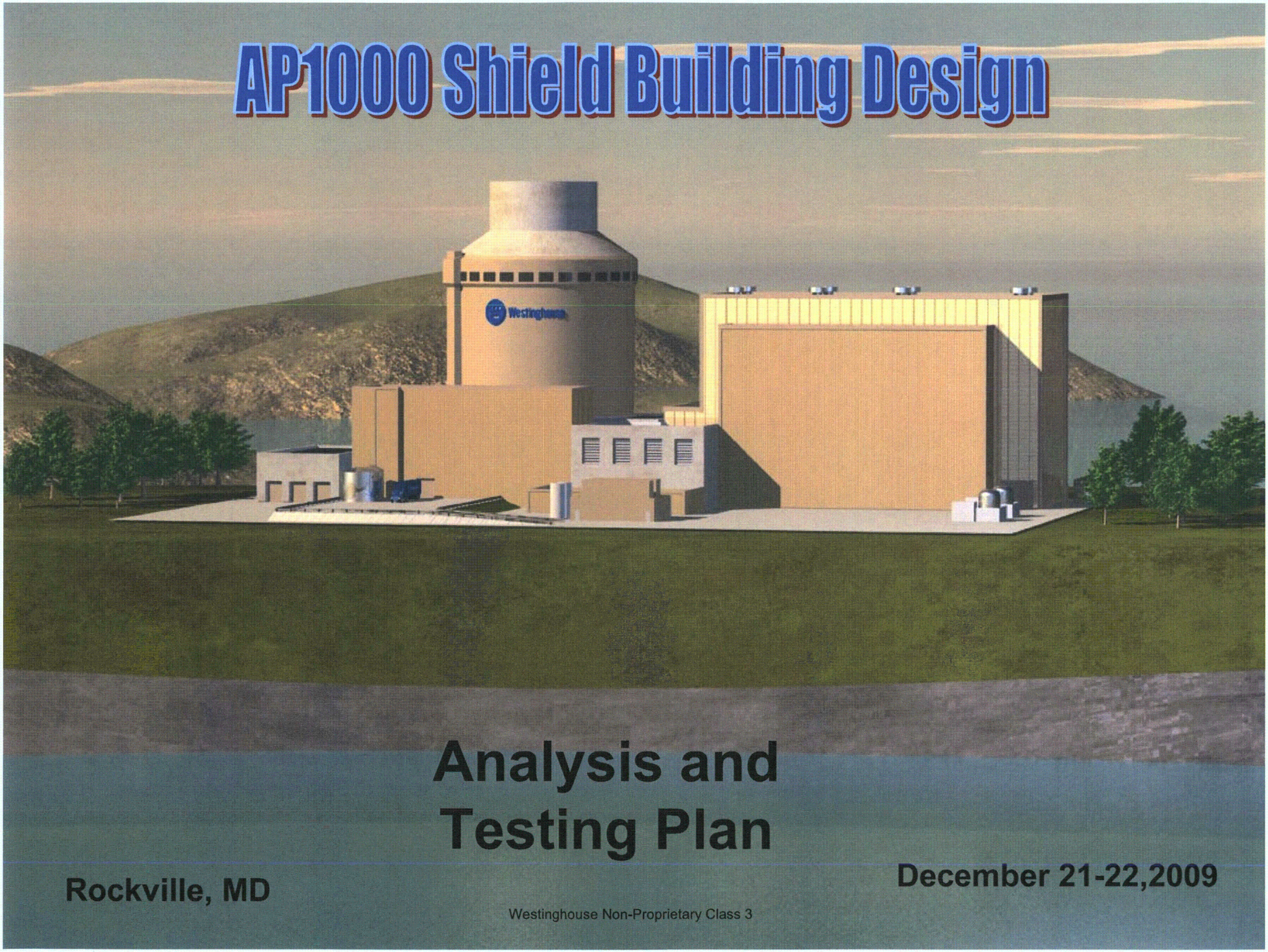
ENCLOSURE 4

Westinghouse Proprietary Class 3

"AP1000 Shield Building Design" – (Non-Proprietary)

AP1000 Shield Building Design



Analysis and Testing Plan

Rockville, MD

December 21-22,2009

Westinghouse Non-Proprietary Class 3

Design Process Review Meeting

AP1000

Meeting Goals:

1. **Clarify design process**
   - *Benchmarking*
   - *Levels of Analyses*
2. **Define tests and acceptance criteria**
3. **Agreement on seismic loads**

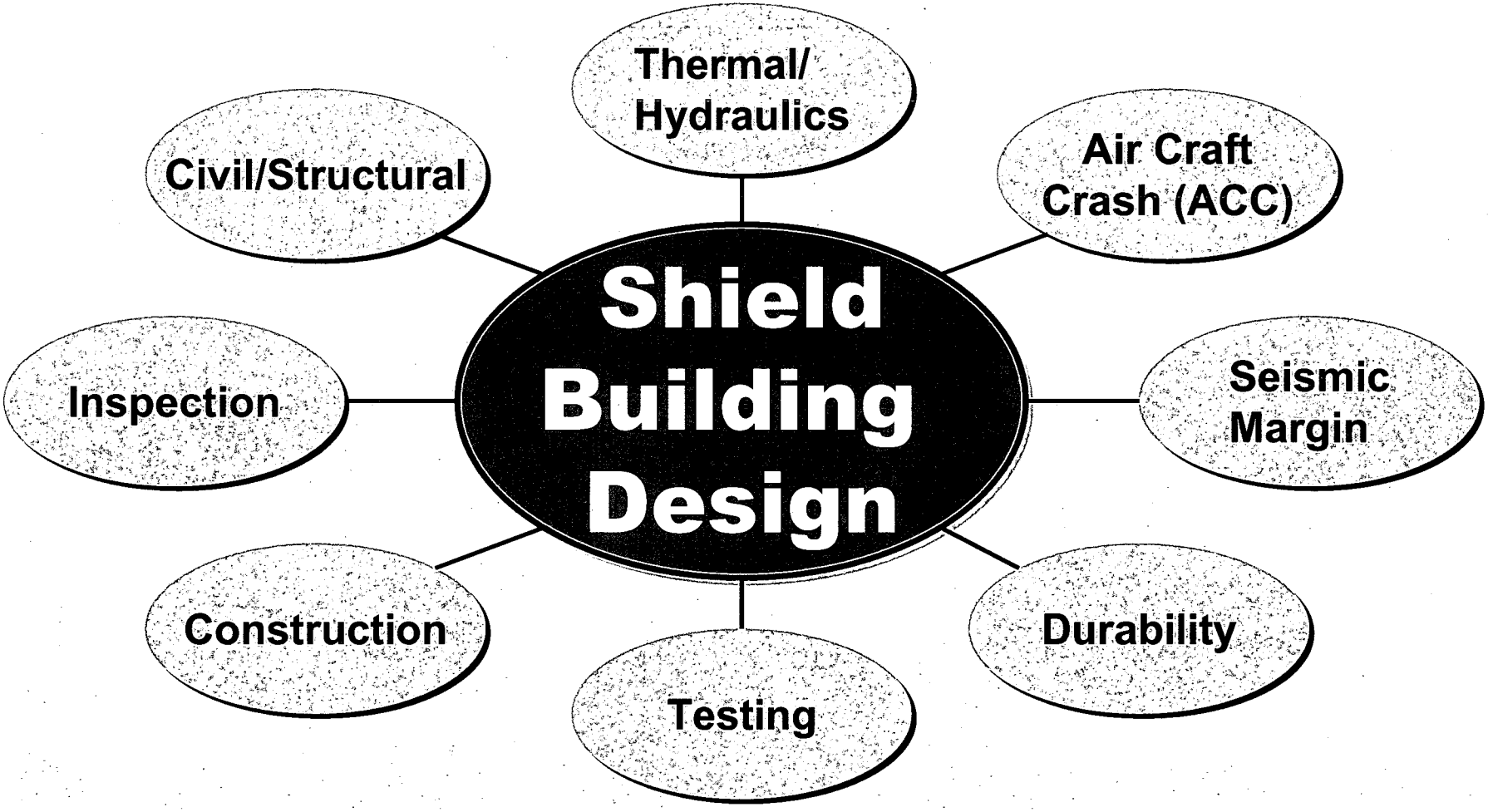
Topics to be Covered Today (Highlighted in Red)

AP1000

- Background
- **Design Process**
- **Integration**
- Overview and Organization
- Design Features
- **Testing**
- **Analysis**
- Constructability and Inspection Plan
- Conservatisms in the Design Process
- Summary and Conclusion

Design Process Integration

AP1000



Design Process

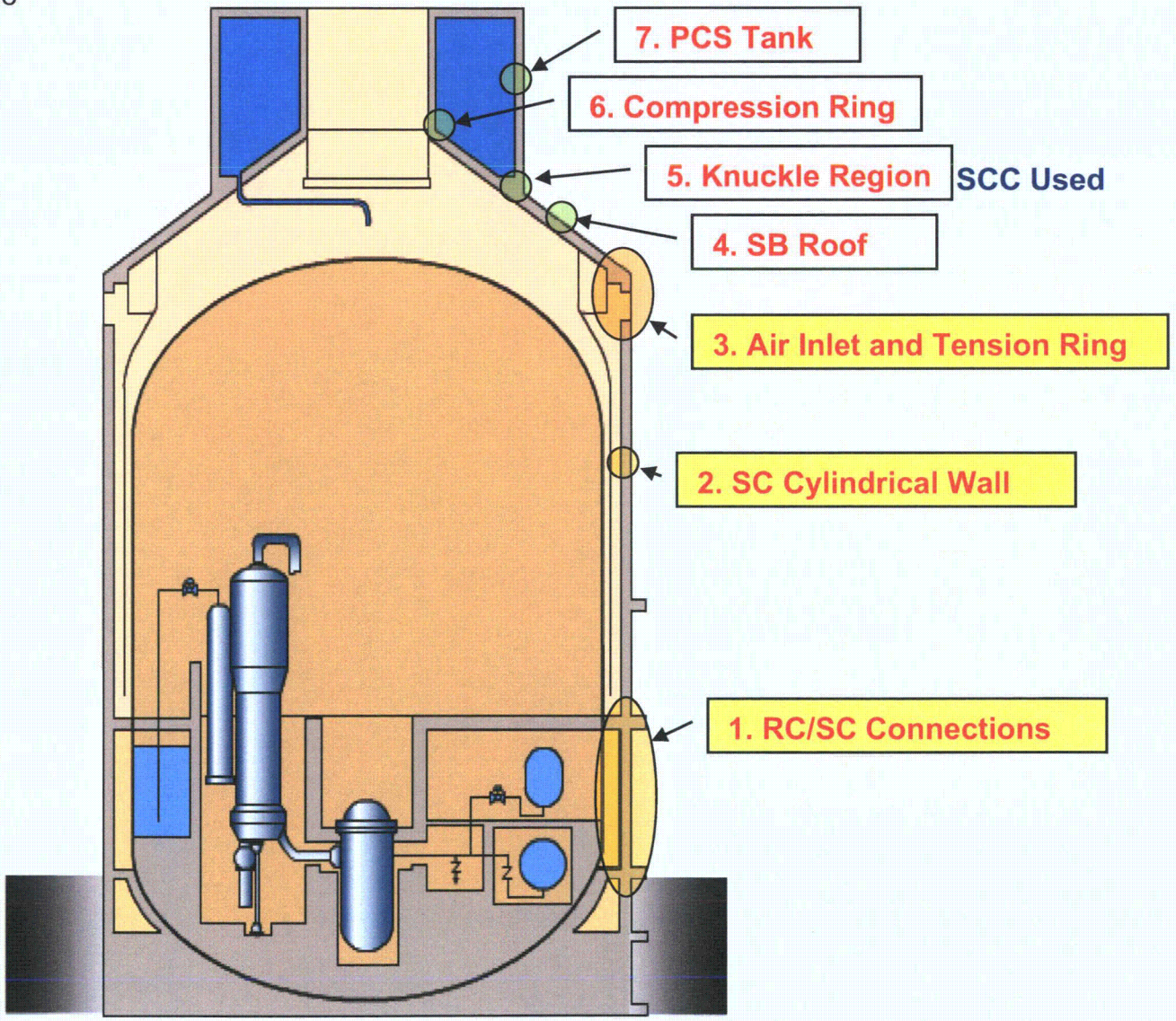
AP1000

a, c

Design Features

AP1000

a, c



Westinghouse

Design Process Matrix

AP1000

a, c

Design Process: RC Design

AP1000

a, c

Design Process: SC Design Level 1

AP1000

a, c

Design Process: SC Design Level 2

AP1000

a, c

Design Process: SC Design Level 3

AP1000

a, c

Integrated Analysis Testing and Design Overview (using seismic as example)

AP1000

a, c

Benchmarking FE Analyses

AP1000

a, c

Design Process Flow Chart

AP1000

a, c